

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A tuning arrangement for receiving a plurality of signal channels and for tuning to a specific of said plurality of signal channels, the arrangement ~~comprising~~ comprising:

a polyphase mixer for mixing said specific signal channel to an intermediate frequency which is lower than twice the bandwidth of the ~~channel~~, channel;

a polyphase IF filter for rejecting the negative frequencies in the mixer output ~~signal and~~ signal; and

a polyphase group delay equalizer connected to the output of the polyphase IF ~~filter~~, filter;

~~characterized in that~~ wherein the transfer function of the polyphase group delay equalizer has, for the frequency range of interest, one or more pole-zero pairs alongside of only the positive imaginary axis of the complex frequency plane with the pole(s) and the zero(s) of said one or more pairs lying substantially symmetrically with respect to said positive imaginary axis, wherein the one or more pole-zero pairs are shifted along the positive imaginary axis off of the real axis of the complex frequency plane.

2. (currently amended) A tuning arrangement as claimed in claim 1 ~~characterized in that~~ wherein said polyphase group delay equalizer ~~comprises~~ comprises:

an in phase ~~part and~~ part; and

a quadrature phase ~~part~~, part;

wherein each of said parts ~~comprising~~ comprises:

a balanced operational ~~amplifier~~, amplifier;

first conductances and first capacitances connected in parallel between each output and the inverting input of the operational amplifier for constituting the pole in the complex frequency ~~plane, plane~~;

second conductances between each input of the part and one of the inputs of the operational amplifier and second capacitances between each input of the part and the other of the inputs of the operational amplifier for constituting the zero in the complex frequency ~~plane and plane~~; and

further conductances connecting the inputs of the operational amplifier of each part to the inputs and to the outputs of the other of said parts for shifting the pole and the zero along the positive imaginary axis of the complex frequency plane.

3. (currently amended) A tuning arrangement as claimed in claim 1 ~~characterized in that further comprising~~ a cascade of polyphase group delay equalizers ~~is connected to the~~ output of the polyphase IF filter, each of said polyphase group delay equalizers having only one pole-zero pair alongside of the positive imaginary axis of the complex frequency plane.

4. (currently amended) A tuning arrangement as claimed in claim 3 wherein individual polyphase group delay equalizers within the cascade of polyphase group delay equalizers comprise different pole-zero patterns.

5. (currently amended) A tuning arrangement as claimed in claim 3 wherein individual polyphase group delay equalizers within the cascade of polyphase group delay equalizers comprise same pole-zero patterns.